

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	513	(422/131).CCLS.	USPAT	OR	OFF	2005/01/24 14:25
L2	287	(422/134).CCLS.	USPAT	OR	OFF	2005/01/24 14:34
L3	362	(528/485).CCLS.	USPAT	OR	OFF	2005/01/24 14:38
L4	248	(528/396).CCLS.	USPAT	OR	OFF	2005/01/24 14:38
S1	547	(260/665R).CCLS.	USPAT	OR	OFF	2005/01/24 13:27
S2	38	260/665R.ccls. and (reactor or apparatus) and (plastic or amide plastic or polyamide plastic or super plastics) and hydrocarbon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:30
S3	34	S2 and (molten metal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:31
S4	0	S3 and ((hydrocarbon near3 feed) and (oil or natural gas or sulfides or sodium sulfide or potassium sulfide or magnesium sulfide or zinc sulfide or bromide or chloride))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:34
S5	34	S3 and (oil or natural gas or sulfides or sodium sulfide or potassium sulfide or magnesium sulfide or zinc sulfide or bromide or chloride or propane or coal oils or urea or nitrogen or oxygen or hydrocarbon ad12 refuse)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:35
S6	3311	S5 and petroleum distill?	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:36
S7	1255039	S6 and hydrocarbon feed	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:36
S8	931997	S6 and pressure reactor vessel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:37
S9	3342908	S8 and molten metal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:37
S10	21850	S9 and "422"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:38

S11	1251383	S10 and feed pipe	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:38
S12	299723	S11 and silicon nitride	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:39
S13	84739	S12 and (petroleum products or petroleum by products or coal by products)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:40
S14	10968	S13 and (sulphide or sulfide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:41
S15	10968	S14 and (urea sulfide or urea sulphide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:41
S16	2248	S15 and raw materials same sylphids	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:43
S17	153	S16 and "800" same pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:43
S18	118	S17 and "800" same temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 14:15
S19	31	S18 and tin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 13:53

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	513	(422/131).CCLS.	USPAT	OR	OFF	2005/01/24 14:25
L2	287	(422/134).CCLS.	USPAT	OR	OFF	2005/01/24 14:34
L3	362	(528/485).CCLS.	USPAT	OR	OFF	2005/01/24 14:38
L4	248	(528/396).CCLS.	USPAT	OR	OFF	2005/01/24 14:40
L5	0	260/665R.ccls. and (reactor or apparatus) and (plastic or amide plastic or polyamide plastic or super plastics) and hydrocarbon and 1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 14:41
L6	0	260/665R.ccls. and (reactor or apparatus) and (plastic or amide plastic or polyamide plastic or super plastics) and hydrocarbon and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 14:41
L7	0	260/665R.ccls. and (reactor or apparatus) and (plastic or amide plastic or polyamide plastic or super plastics) and hydrocarbon and 3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 14:41
L8	0	260/665R.ccls. and (reactor or apparatus) and (plastic or amide plastic or polyamide plastic or super plastics) and hydrocarbon and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/24 14:42

WEST Search History

DATE: Monday, January 24, 2005

Hide?	Set Name	Query	Hit Count
		<i>DB=USPT,USOC,EPAB,JPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L29	L5 and 422/\$.ccls.	28
		<i>DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L28	L27 and "400"	4
<input type="checkbox"/>	L27	L25 and "800"	4
<input type="checkbox"/>	L26	L25 and polymeriz\$5	0
<input type="checkbox"/>	L25	L24 and separator	4
<input type="checkbox"/>	L24	L23 and pipe	4
<input type="checkbox"/>	L23	L22 and cool\$3	4
<input type="checkbox"/>	L22	L21 and (separat\$2 or extract\$3)	4
<input type="checkbox"/>	L21	L19 and silicon nitride	4
<input type="checkbox"/>	L20	L19 and vessel same coat\$3	0
<input type="checkbox"/>	L19	L18 and (elevated or high temperature\$1)	4
<input type="checkbox"/>	L18	L17 and (elevated or high pressure\$1)	4
<input type="checkbox"/>	L17	L15 and corrosion	4
<input type="checkbox"/>	L16	L15 and titanium same reactor	0
<input type="checkbox"/>	L15	L14 and (reactor or polymerizer or apparat\$2)	4
<input type="checkbox"/>	L14	L13 and pressure\$1	4
<input type="checkbox"/>	L13	L12 and (petroleum or mineral oil or natural gas or sulfide\$1 or sulphide\$1 or sylphide\$1 pr sylfide\$1)	4
<input type="checkbox"/>	L12	L11 and molten same tin	4
<input type="checkbox"/>	L11	L10 and tin	4
<input type="checkbox"/>	L10	L9 and (nylon or amide or polyamide or PA)	4
<input type="checkbox"/>	L9	L7 and silicon nitride	4
<input type="checkbox"/>	L8	L7 and coat\$3 same silicon nitride	0
<input type="checkbox"/>	L7	L6 and tin	7
<input type="checkbox"/>	L6	L5 and molten metal	7
<input type="checkbox"/>	L5	plastics and hydrocarbon feedstock	517
		<i>DB=USPT,USOC,EPAB,JPAB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L4	amide near3 plastics and super plastics and (dissolv\$3 or dissolut\$3) and pressures and temperatures	0
		<i>DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	

<input type="checkbox"/>	L3	amide near3 plastics and super plastics and (dissolv\$3 or dissolut\$3) and pressures and temperatures	1
<input type="checkbox"/>	L2	amide near3 plastics and super plastics and (dissolv\$3 or dissolut\$3) and (elevated same pressures) and elevated same temperature	0
<input type="checkbox"/>	L1	amide near3 plastics and super plastics and (dissolv\$3 or dissolut\$3) and molten	1

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20040230029 A1

Using default format because multiple data bases are involved.

L1: Entry 1 of 1

File: DWPI

Nov 18, 2004

DERWENT-ACC-NO: 2004-813307

DERWENT-WEEK: 200480

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Process for preparation of amide and super plastics involves dissolving hydrocarbon feed materials in molten metal at high temperature and pressure; polymerizing the material followed by separation of plastic, cooling and extraction

INVENTOR: MATHIAS, J

PRIORITY-DATA: 2002US-428689P (November 25, 2002), 2003US-0693864 (October 28, 2003)

-PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20040230029 A1	November 18, 2004		007	C08G085/00

INT-CL (IPC): C08 G 85/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Summary	Claims	KWIC	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
AMIDE	181011
AMIDES	98389
PLASTICS	438983
PLASTIC	1140087
SUPER	121065
SUPERS	103
MOLTEN	351862
MOLTENS	15
DISSOLV\$3	0
DISSOLV	76

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Search Results - Record(s) 1 through 4 of 4 returned.☐ 1. Document ID: US 6548030 B2**Using default format because multiple data bases are involved.**

L28: Entry 1 of 4

File: USPT

Apr 15, 2003

US-PAT-NO: 6548030

DOCUMENT-IDENTIFIER: US 6548030 B2

TITLE: Apparatus for hydrocarbon processing

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heyse; John V.	Crockett	CA		
Mulaskey; Bernard F.	Fairfax	CA		
Innes; Robert A.	San Rafael	CA		
Hagewiesche; Daniel P.	Oakland	CA		
Hubred; Gale L.	Brea	CA		
Moore; Steven C.	Oakland	CA		
Bryan; Paul F.	Hercules	CA		
Hise; Robert L.	Richmond	CA		
Trumbull; Steven E.	Richmond	CA		
Harris; Randall J.	Vacaville	CA		

US-CL-CURRENT: 422/240; 208/48R, 427/250, 428/627

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Drawn
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☐ 2. Document ID: US 5863418 A

L28: Entry 2 of 4

File: USPT

Jan 26, 1999

US-PAT-NO: 5863418

DOCUMENT-IDENTIFIER: US 5863418 A

TITLE: Low-sulfur reforming process

DATE-ISSUED: January 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heyse; John V.	Crockett	CA		
Mulaskey; Bernard F.	Fairfax	CA		
Innes; Robert A.	San Rafael	CA		
Hagewiesche; Daniel P.	Oakland	CA		
Hubred; Gale L.	Brea	CA		
Moore; Steven C.	Oakland	CA		
Bryan; Paul F.	Hercules	CA		
Hise; Robert L.	Richmond	CA		
Trumbull; Steven E.	San Leandro	CA		
Harris; Randall J.	Vacaville	CA		
Kunze; Alan G.	Calgary			CA

US-CL-CURRENT: [208/135](#); [208/133](#), [208/137](#), [208/47](#), [208/48AA](#), [208/48R](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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☐ 3. Document ID: US 5676821 A

L28: Entry 3 of 4

File: USPT

Oct 14, 1997

US-PAT-NO: 5676821

DOCUMENT-IDENTIFIER: US 5676821 A

**** See image for Certificate of Correction ****

TITLE: Method for increasing carburization resistance

DATE-ISSUED: October 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heyse; John V.	Crockett	CA		
Mulaskey; Bernard F.	Fairfax	CA		
Hise; Robert L.	Richmond	CA		
Trumbull; Steven E.	San Leandro	CA		

US-CL-CURRENT: [208/135](#); [208/137](#), [208/47](#), [208/48R](#), [585/407](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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☐ 4. Document ID: US 5674376 A

L28: Entry 4 of 4

File: USPT

Oct 7, 1997

US-PAT-NO: 5674376

DOCUMENT-IDENTIFIER: US 5674376 A

TITLE: Low sulfur reforming process

DATE-ISSUED: October 7, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heyse; John V.	Crockett	CA		
Mulaskey; Bernard F.	Fairfax	CA		
Hise; Robert L.	Richmond	CA		
Trumbull; Steven E.	San Leandro	CA		

US-CL-CURRENT: [208/135](#); [208/137](#), [208/47](#), [208/48R](#), [585/407](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KMC	Draw. Data
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Term	Documents
"400"	727113
400S	190
(27 AND "400").USPT,EPAB,JPAB,DWPI.	4
(L27 AND "400").USPT,EPAB,JPAB,DWPI.	4

Display Format: [Previous Page](#) [Next Page](#) [Go to Doc#](#)

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Search Results - Record(s) 1 through 10 of 28 returned.☐ 1. Document ID: US 6814857 B1**Using default format because multiple data bases are involved.**

L29: Entry 1 of 28

File: USPT

Nov 9, 2004

US-PAT-NO: 6814857

DOCUMENT-IDENTIFIER: US 6814857 B1

TITLE: Method for passing a fluid through a moving bed of particles

DATE-ISSUED: November 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gu; Weikai	Mount Prospect	IL		
Sechrist; Paul A.	Des Plaines	IL		

US-CL-CURRENT: 208/134; 208/139, 208/146, 208/153, 208/165, 208/171, 208/173,
422/139, 422/211, 422/216, 422/219, 585/654, 585/920, 585/921

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 2. Document ID: US 6548030 B2

L29: Entry 2 of 28

File: USPT

Apr 15, 2003

US-PAT-NO: 6548030

DOCUMENT-IDENTIFIER: US 6548030 B2

TITLE: Apparatus for hydrocarbon processing

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heyse; John V.	Crockett	CA		
Mulaskey; Bernard F.	Fairfax	CA		
Innes; Robert A.	San Rafael	CA		
Hagewiesche; Daniel P.	Oakland	CA		
Hubred; Gale L.	Brea	CA		
Moore; Steven C.	Oakland	CA		
Bryan; Paul F.	Hercules	CA		

Hise; Robert L. Richmond CA
Trumbull; Steven E. Richmond CA
Harris; Randall J. Vacaville CA

US-CL-CURRENT: 422/240; 208/48R, 427/250, 428/627

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings
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☐ 3. Document ID: US 6490812 B1

L29: Entry 3 of 28

File: USPT

Dec 10, 2002

US-PAT-NO: 6490812

DOCUMENT-IDENTIFIER: US 6490812 B1

TITLE: Active microchannel fluid processing unit and method of making

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bennett; Wendy D.	Kennewick	WA		
Martin; Peter M.	Kennewick	WA		
Matson; Dean W.	Kennewick	WA		
Roberts; Gary L.	West Richland	WA		
Stewart; Donald C.	Richland	WA		
Tonkovich; Annalee Y.	Pasco	WA		
Zilka; Jennifer L.	Pasco	WA		
Schmitt; Stephen C.	Dublin	OH		
Werner; Timothy M.	Columbus	OH		

US-CL-CURRENT: 34/433; 165/165, 165/167, 34/417, 34/487, 34/508, 34/518, 422/129, 422/191

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings
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☐ 4. Document ID: US 6485852 B1

L29: Entry 4 of 28

File: USPT

Nov 26, 2002

US-PAT-NO: 6485852

DOCUMENT-IDENTIFIER: US 6485852 B1

TITLE: Integrated fuel reformation and thermal management system for solid oxide fuel cell systems

DATE-ISSUED: November 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miller; Carl Elmer	Millington	MI		
Depreter; Bruno	Clarkston	MI		
Simpkins; Haskell	Grand Blanc	MI		
Botti; Jean Joseph	Rochester Hills	MI		

US-CL-CURRENT: 429/17; 422/198, 422/240, 429/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw. D
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☐ 5. Document ID: US 6485693 B1

L29: Entry 5 of 28

File: USPT

Nov 26, 2002

US-PAT-NO: 6485693

DOCUMENT-IDENTIFIER: US 6485693 B1

TITLE: Apparatus for producing carbon blacks

DATE-ISSUED: November 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morgan; Allan C.	Manchester-by-the-Sea	MA		

US-CL-CURRENT: 422/151; 422/150, 422/152, 422/156, 422/158, 423/449.1, 423/449.9,
423/450, 423/451, 423/456, 423/457

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw. D
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☐ 6. Document ID: US 6269286 B1

L29: Entry 6 of 28

File: USPT

Jul 31, 2001

US-PAT-NO: 6269286

DOCUMENT-IDENTIFIER: US 6269286 B1

TITLE: System and method for integrated gasification control

DATE-ISSUED: July 31, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tse; Daniel W.	Houston	TX		
Gulko; George M.	Houston	TX		
Wallace; Paul S.	Bellaire	TX		

US-CL-CURRENT: 700/271; 422/55, 700/266, 700/268

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw. D.
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☐ 7. Document ID: US 6192596 B1

L29: Entry 7 of 28

File: USPT

Feb 27, 2001

US-PAT-NO: 6192596

DOCUMENT-IDENTIFIER: US 6192596 B1

**** See image for Certificate of Correction ****

TITLE: Active microchannel fluid processing unit and method of making

DATE-ISSUED: February 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bennett; Wendy D.	Kennewick	WA		
Martin; Peter M.	Kennewick	WA		
Matson; Dean W.	Kennewick	WA		
Roberts; Gary L.	West Richland	WA		
Stewart; Donald C.	Richland	WA		
Tonkovich; Annalee Y.	Pasco	WA		
Zilka; Jennifer L.	Pasco	WA		
Schmitt; Stephen C.	Dublin	OH		
Werner; Timothy M.	Columbus	OH		

US-CL-CURRENT: 34/76; 165/165, 165/167, 34/636, 422/129, 422/191

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw. D.
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☐ 8. Document ID: US 5980840 A

L29: Entry 8 of 28

File: USPT

Nov 9, 1999

US-PAT-NO: 5980840

DOCUMENT-IDENTIFIER: US 5980840 A

**** See image for Certificate of Correction ****

TITLE: Autothermic reactor and process using oxygen ion--conducting dense ceramic membrane

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kleefisch; Mark S.	Plainfield	IL		
Udovich; Carl A.	Joliet	IL		
Bhattacharyya; Alakananda	Wheaton	IL		
Kobylinski; Thaddeus P.	Prospect	PA		

US-CL-CURRENT: 422/211; 252/373, 422/204, 422/236, 422/239, 48/197R, 95/54

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Drawings
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☐ 9. Document ID: US 5849220 A

L29: Entry 9 of 28

File: USPT

Dec 15, 1998

US-PAT-NO: 5849220

DOCUMENT-IDENTIFIER: US 5849220 A

TITLE: Corrosion inhibitor

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Batton; Carol B.	Naperville	IL		
Chen; Tzu-Yu	Lisle	IL		
Towery; Christopher C.	Lisle	IL		

US-CL-CURRENT: 252/396; 422/14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Drawings
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☐ 10. Document ID: US 5464591 A

L29: Entry 10 of 28

File: USPT

Nov 7, 1995

US-PAT-NO: 5464591

DOCUMENT-IDENTIFIER: US 5464591 A

TITLE: Process and apparatus for controlling and metering the pneumatic transfer of solid particulates

DATE-ISSUED: November 7, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bartholic; David B.	Watchung	NJ	07060	

US-CL-CURRENT: 422/142; 208/127, 208/161, 208/86, 415/1, 422/144, 422/145, 422/147

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Drawings
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Documents

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Search Results - Record(s) 11 through 20 of 28 returned.☐ 11. Document ID: US 4898716 A**Using default format because multiple data bases are involved.**

L29: Entry 11 of 28

File: USPT

Feb 6, 1990

US-PAT-NO: 4898716

DOCUMENT-IDENTIFIER: US 4898716 A

TITLE: Olefin fractionation and catalytic conversion system

DATE-ISSUED: February 6, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hsia; Chung H.	Matawan	NJ		
Owen; Hartley	Belle Mead	NJ		
Wright; Bernard S.	East Windsor	NJ		

US-CL-CURRENT: 422/190; 196/134, 203/DIG.6, 422/187, 422/235, 585/519, 585/533

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	HWC	Draw. Do
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☐ 12. Document ID: US 4832920 A

L29: Entry 12 of 28

File: USPT

May 23, 1989

US-PAT-NO: 4832920

DOCUMENT-IDENTIFIER: US 4832920 A

TITLE: Olefin fractionation and catalytic conversion system

DATE-ISSUED: May 23, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Owen; Hartley	Belle Mead	NJ		
Hsia; Chung H.	Matawan	NJ		
Wright; Bernard S.	East Windsor	NJ		

US-CL-CURRENT: 422/190; 202/154, 203/34, 203/74, 203/81, 203/DIG.6, 422/187, 422/211, 422/234

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. D.
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☐ 13. Document ID: US 4832919 A

L29: Entry 13 of 28

File: USPT

May 23, 1989

US-PAT-NO: 4832919

DOCUMENT-IDENTIFIER: US 4832919 A

**** See image for Certificate of Correction ****

TITLE: Olefin fractionation and catalytic conversion system with heat exchange means

DATE-ISSUED: May 23, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wright; Bernard S.	East Windsor	NJ		
Owen; Hartley	Belle Mead	NJ		
Hsia; Chung H.	Matawan	NJ		

US-CL-CURRENT: 422/190; 422/235, 585/315, 585/402, 585/413

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. D.
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☐ 14. Document ID: US 4709117 A

L29: Entry 14 of 28

File: USPT

Nov 24, 1987

US-PAT-NO: 4709117

DOCUMENT-IDENTIFIER: US 4709117 A

TITLE: Total isomerization process and apparatus

DATE-ISSUED: November 24, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gray, Jr.; Robert L.	Mahopac	NY		

US-CL-CURRENT: 585/738; 422/129, 422/234

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. D.
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☐ 15. Document ID: US 4709116 A

L29: Entry 15 of 28

File: USPT

Nov 24, 1987

US-PAT-NO: 4709116

DOCUMENT-IDENTIFIER: US 4709116 A

TITLE: Isomerization process and apparatus

DATE-ISSUED: November 24, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zarchy; Andrew S.	Amawalk	NY		
Volles; Warren K.	Mt. Kisco	NY		
O'Keefe; Luke F.	White Plains	NY		

US-CL-CURRENT: 585/738; 422/129, 422/234

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. De
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☐ 16. Document ID: US 4701307 A

L29: Entry 16 of 28

File: USPT

Oct 20, 1987

US-PAT-NO: 4701307

DOCUMENT-IDENTIFIER: US 4701307 A

TITLE: Vented riser

DATE-ISSUED: October 20, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Walters; Paul W.	Ashland	KY		
Benslay; Roger M.	Catlettsburg	KY		

US-CL-CURRENT: 422/147; 208/161, 422/144, 422/145, 55/318, 55/441, 55/DIG.14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. De
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☐ 17. Document ID: US 4678642 A

L29: Entry 17 of 28

File: USPT

Jul 7, 1987

US-PAT-NO: 4678642

DOCUMENT-IDENTIFIER: US 4678642 A

TITLE: Ballistic separation of particles in a progressive flow reactor

DATE-ISSUED: July 7, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Donald M.	Huntington	WV		

US-CL-CURRENT: 422/144; 208/153, 208/161, 422/145, 422/147

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Abstract	Claims	KWIC	Draw D
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☐ 18. Document ID: US 4461742 A

L29: Entry 18 of 28

File: USPT

Jul 24, 1984

US-PAT-NO: 4461742

DOCUMENT-IDENTIFIER: US 4461742 A

TITLE: Pyrolysis of hydrocarbons

DATE-ISSUED: July 24, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rowe; Frederick	Middlesbrough			GB2
Brown; David	Northallerton			GB2

US-CL-CURRENT: 422/129; 366/165.1, 422/149, 422/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Abstract	Claims	KWIC	Draw D
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☐ 19. Document ID: US 4136016 A

L29: Entry 19 of 28

File: USPT

Jan 23, 1979

US-PAT-NO: 4136016

DOCUMENT-IDENTIFIER: US 4136016 A

TITLE: Hydrocarbon conversion process utilizing a magnetic field in a fluidized bed of catalytic particles

DATE-ISSUED: January 23, 1979

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rosensweig; Ronald E.	Summit	NJ		

US-CL-CURRENT: 208/134; 208/213, 34/249, 422/139, 423/DIG.16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Abstract	Claims	KWIC	Draw D
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☐ 20. Document ID: US RE28974 E

L29: Entry 20 of 28

File: USPT

Sep 21, 1976

US-PAT-NO: RE28974

DOCUMENT-IDENTIFIER: US RE28974 E

TITLE: Process for making carbon black

DATE-ISSUED: September 21, 1976

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morgan; Allan C.	Sudbury	MA		
Jordan; Merrill E.	Walpole	MA		

US-CL-CURRENT: 423/450; 422/150, 423/455, 423/457

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Claims	KWIC	Drawings
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Term	Documents
422/\$	0
422/1	586
422/10	58
422/100	2473
422/101	1823
422/102	2703
422/103	753
422/104	1470
422/105	620
422/106	514
422/107	188
(L5 AND 422/\$.CCLS.)USPT,USOC,EPAB,JPAB.	28

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☐ 21. Document ID: US 3922335 A

Using default format because multiple data bases are involved.

L29: Entry 21 of 28

File: USPT

Nov 25, 1975

US-PAT-NO: 3922335

DOCUMENT-IDENTIFIER: US 3922335 A

TITLE: Process for producing carbon black

DATE-ISSUED: November 25, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jordan; Merrill E.	Walpole	MA		
Morgan; Allan C.	Sudbury	MA		

US-CL-CURRENT: 423/450; 422/150, 423/455, 423/456

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Abstract Ref	Claims	FIGS	Draw. Desc
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☐ 22. Document ID: US 3849075 A

L29: Entry 22 of 28

File: USPT

Nov 19, 1974

US-PAT-NO: 3849075

DOCUMENT-IDENTIFIER: US 3849075 A

TITLE: CRACKING REACTOR

DATE-ISSUED: November 19, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Albright; Charles W.	South Charleston	WV		
Keller, II; George E.	South Charleston	WV		

US-CL-CURRENT: 422/224; 366/165.1, 366/338, 422/242, 585/539, 585/648, 585/924, 585/925

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Abstract Ref	Claims	FIGS	Draw. Desc
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☐ 23. Document ID: US 3832450 A

L29: Entry 23 of 28

File: USPT

Aug 27, 1974

US-PAT-NO: 3832450

DOCUMENT-IDENTIFIER: US 3832450 A

TITLE: CARBON BLACK PROCESS

DATE-ISSUED: August 27, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wiggins; Louis E.	West Monroe	LA		

US-CL-CURRENT: 423/450; 422/151, 423/456

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw. De
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☐ 24. Document ID: US 3725314 A

L29: Entry 24 of 28

File: USPT

Apr 3, 1973

US-PAT-NO: 3725314

DOCUMENT-IDENTIFIER: US 3725314 A

TITLE: RUBBER RECLAMATION USING ULTRASONIC ENERGY

DATE-ISSUED: April 3, 1973

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pelofsky; Arnold H.	East Brunswick	NJ		

US-CL-CURRENT: 521/44.5; 241/1, 241/DIG.31, 264/442, 422/128, 422/261, 521/48, 521/49.8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw. De
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☐ 25. Document ID: US 3674668 A

L29: Entry 25 of 28

File: USPT

Jul 4, 1972

US-PAT-NO: 3674668

DOCUMENT-IDENTIFIER: US 3674668 A

TITLE: ELECTRIC ARC PROCESS FOR MAKING HYDROGEN CYANIDE, ACETYLENE AND ACRYLONITRILE

DATE-ISSUED: July 4, 1972

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bjornson; Geir	Bartlesville	OK		
Fox; Homer M.	Bartlesville	OK		

US-CL-CURRENT: 204/171; 422/186.23, 422/904

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 26. Document ID: US 3642446 A

L29: Entry 26 of 28

File: USPT

Feb 15, 1972

US-PAT-NO: 3642446

DOCUMENT-IDENTIFIER: US 3642446 A

**** See image for Certificate of Correction ****

TITLE: PROCESS AND APPARATUS FOR THE MANUFACTURE OF CARBON BLACKS HAVING IMPROVED DISPERSION AND PLATEWEAR CHARACTERISTICS

DATE-ISSUED: February 15, 1972

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heller; George L.	Monroe	LA		
Eckert; Frank J.	Morrisville	PA		
De Land; Charles L.	West Monroe	LA		
Dingman; Robert W.	Monroe	LA		

US-CL-CURRENT: 423/455; 422/150, 423/456

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 27. Document ID: US 3619140 A

L29: Entry 27 of 28

File: USPT

Nov 9, 1971

US-PAT-NO: 3619140

DOCUMENT-IDENTIFIER: US 3619140 A

TITLE: PROCESS FOR MAKING CARBON BLACK

DATE-ISSUED: November 9, 1971

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morgan; Allan C.	Winchester	MA		
Jordan; Merrill E.	Walpole	MA		

US-CL-CURRENT: 423/455; 422/150, 423/457

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 28. Document ID: US 3615210 A

L29: Entry 28 of 28

File: USPT

Oct 26, 1971

US-PAT-NO: 3615210

DOCUMENT-IDENTIFIER: US 3615210 A

TITLE: PROCESS FOR PRODUCTION OF CARBON BLACK

DATE-ISSUED: October 26, 1971

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jordan; Merrill E.				
Morgan; Allan C.				
Burbine; William G.		MA		

US-CL-CURRENT: 423/456; 422/151

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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Term	Documents
422/\$	0
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422/106	514
422/107	188
(L5 AND 422/\$.CCLS.)USPT,USOC,EPAB,JPAB.	28

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